TERMINAL POINT SCHEDULE

T.P.	DESCRIPTION	MEDIA	SIZE	CONNECTION	MATERIAL
A	SYSTEM INLETS	VOC LADEN AIR	12"ø	FLANGED	CARBON STEEL
B	FUEL INLET	NATURAL GAS	1"ø	FNPT	CARBON STEEL

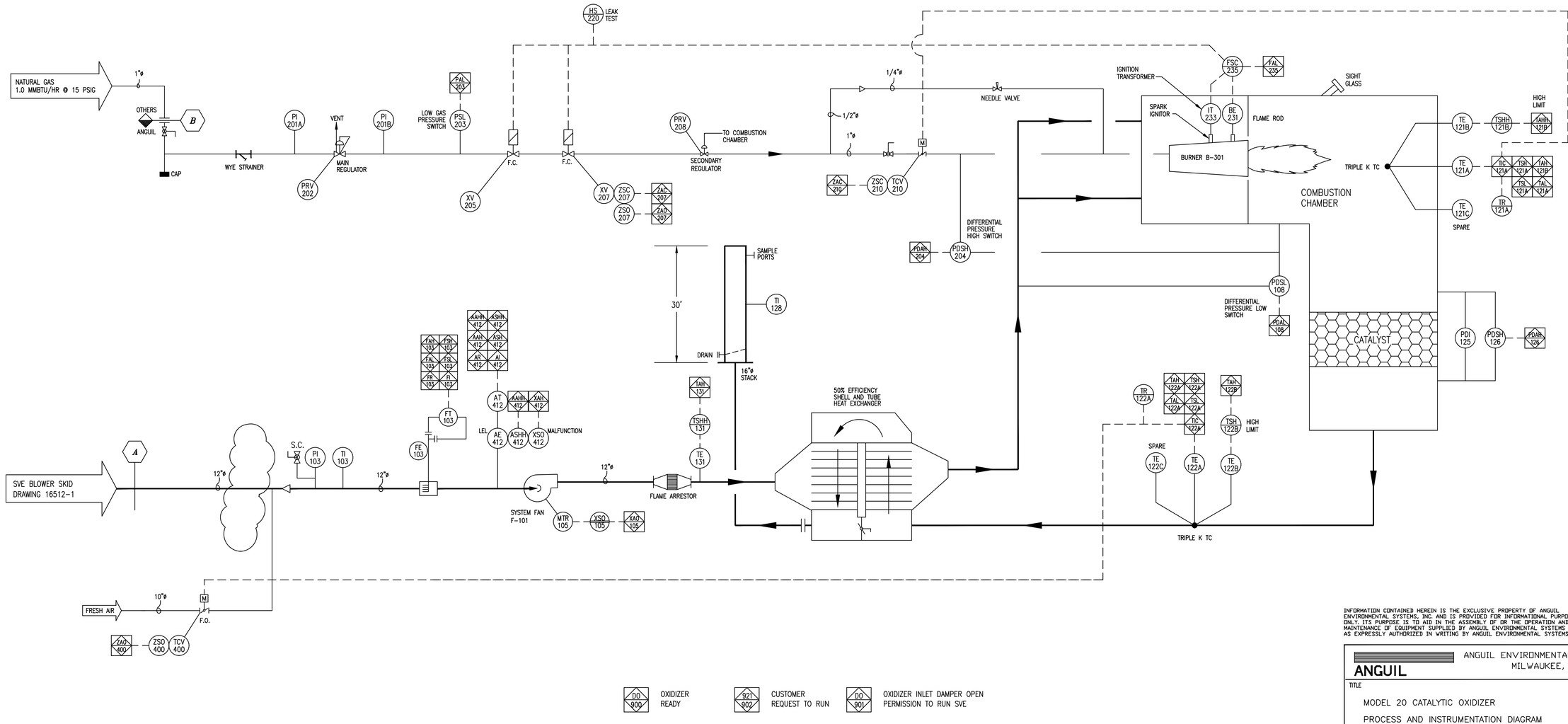
PROCESS DESIGN CONDITIONS

DESIGN FLOW	2,000 SCFM
PROCESS AIR INLET TEMPERATURE	60–100 °F
VOC CONSTITUNENT	VOLATILE FUEL HYDROCARBONS
MAXIMUM VOC LOADING	25% LEL @ 1600 SCFM
DESTRUCTION EFFICIENCY	98%
HEAT EXCHANGER EFFICIENCY	50%
STATIC PRESSURE AT TERMINAL POINT "A"	–1" W.C.
ELEVATION	5,300 FT ABOVE SEA LEVEL

UTILITIES

NATURAL GAS	1000 SCFH @ 15 PSIG
POWER	460V / 60 Hz / 3 PH

NOTES:
1) ELECTRICAL CLASSIFICATION: GENERAL
2) SVE BLOWER EXHAUST WILL BE OPERATED BELOW 25% LEL.
3) COLOR TBD
4) FAN UPSIZED FOR ADDITIONAL DILUTION AIR DURING HIGH LOADING. AT MAXIMUM LOADING OF 1600 SCFM @ 25% LEL FAN HAS BEEN SIZED FOR AN ADDITIONAL 900 SCFM DILUTION AIR.



DO 900 OXIDIZER READY

921 902 CUSTOMER REQUEST TO RUN

DO 901 OXIDIZER INLET DAMPER OPEN PERMISSION TO RUN SVE

REV	BY	DATE	CHANGE
D	AE	10/18/12	AS–BUILD
C	AE	9/7/12	CHANGE AS INDICATED
B	AE	8/14/12	CHANGE AS INDICATED
A	AE	8/1/12	CHANGE AS INDICATED

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ANGUIL ENVIRONMENTAL SYSTEMS, INC.
MILWAUKEE, WISCONSIN

TITLE: MODEL 20 CATALYTIC OXIDIZER
PROCESS AND INSTRUMENTATION DIAGRAM

DRAWING NO. 16512–102

SCALE: NTS

DRAWN AE DATE 7/17/12
CHECKED DATE
APPROVED DATE
LAST DRAWN BY AE DATE 10/18/12

CUSTOMER: SHAW ENVIRONMENTAL
KIRKLAND AFB, NM

REV. D

SOURCE
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AUTOCAD PATH H:\CAD_JOBS\16000

LAST PLOTTED BY _ DATE _